FIG.1

.

FIG. 2A

5 ' <u>AGCCG</u>	GCG	11 CAC		' GGC	20 CGG		. GGG	29 GTG	AGC	. AGG	38 GTG	CCG	CTG	47	GCT	' GGG	56 GTC
P	 A	Q	G	G	R	G	G	v	S	R	V	 P	 L	 A	 A	G	
TGC	' AGG	65 TCA		AGT	74 CCC	CAG	GAG	83 AGG	GGA	CTC	92 CTA	AGA	AGC	101 CAC	CTG	CCT	110 GTG
C	R	s	P	s	P	Q	 E	 R	 G	 L	 L	R	s		 L	 P	v
TTT	ACC	119 CGG		CGA	128 GCG	CGC	AGG	137 CCC	CCG	CGA	146 ACT	CCT	GGC	155 AGC	GCT	CAG	164 GAA
F	T	R	Q	R	A	R	R	P	P	R	т	 P	 G	 S	 A	Q	 E
AGG	CCG	173 TTG		_CTC	182 GCG	AAG	GAA	191 ACA	GAG	CCG	200 TTG	ACC	ATG	209 G TT	GCA	ACT	218 GGC
R	P	L	R	L	A	K	E	Т	E	P	 L	T	M	v	 A	 T	G G
AGT	TTG	227 AGC		AAG	236 AAC	CCG	GCC	245 AGC	ATT	TCA	254 GAA	TTG	CTG	263 GAC	TGT	GGC	272 TAT
S	L	S	S	K	N	P	A	s	I	s	E	L	L	D	C	G	Y
CAC	CCA	281 GAG	AGC	CTG	290 CTA	AGT	GAT	299 TTT	GAC	TAC	308 TGG	GAT	TAT	317 GTT	GTT	CCT	326 GAA
Н	P	E	S	L	L	s	D	F	D	Y	M	D	Y	v	v	P	E
CCC	AAC	335 CTC	AAC	GAG	344 GTA	ATA	TTT	353 GAG	GAA	TCA	362 ACT	TGC	CAG	371 AAT	TTG	GTT	380 AAA
P	N	L	N	E	V	I	F	E	E	s	т	C	Q	N	L	Λ	K
ATG	CTG	389 GAG	AAC	TGT	398 CTG	TCC	AAA 	407 TCA	AAG	CAA	416 ACT	AAA	CTT	425 GGT	TGC	TCA	434 AAG
M	L	E	N	С	L	s	K	s	K	Q	Т	K	L	G	С	s	K
GTC	CTT	443 GTC	CCT	GAG	452 AAA	CTG	ACG	461 CAG	AGA	ATT	470 GCT	CAA	GAT	479 GTC	CTG	CGG	488 CTT
V	L	V	P	E	K	L	T	Q	R	I	A	Q	D	v	L	R	L
TCC	TCA	497 ACG	GAG	CCC	506 TGC	GGC	TTG	515 CGA	GGT	TGT	524 GTT		CAC		AAC	TTG	542 GAA
S	s	Т	E	P	С	G	L		G	С	v	M	H	v	N	L	E
ATT	GAA	551 AAT	GTA	TGT	AAA	AAG	CTG	569 GAT	AGG	ATT	578 GTG	TGT	GAT	587 TCT	AGC		
I	E	N	V	С	K		L	D	R	I	v	C	D	s	s	V	v
CCT	ACT	605 TTT 	GAG		614 ACA	CTT		623 TTT .	AAG	CAG		AAC	TGC	641 TCA	TGG		
P	Т	F	E	L	Т	L	v			Q		N		s	M	Т	S

FIG. 2B

TTC	AGG	659 GAC		TTC	668 TTT	AGT	AGA	677 . GGT	CGC	TTC	686 TCC	TCT	GGT	695 TTC	AGG	AGA	704 ACT
F	R	D	F	F	F	s		G		F	s	s	G	 F	R	R	T
CTG	ATC	713 CTC	AGC	TCA	722 GGA	TTT	CGA	731 CTT	GTT	AAG	740 AAA	AAA	CTT	749 TAC	TCA	CTG	758 ATT
L	I	L	S	S	G	F	R	L	V	K	K	K	L	Y	S	L	I
GGA	ACA	767 ACA		ATT	776 GAA			785 TAA	AAA			ATA		803 AAA		TAT	812 TTC
G	т	T	V	I	E	G	S	*									
ATG	ATT	821 GGG	TAG	TAA	830 AAC	TAT	TCA	GCT	AGT	CAG	848 CTA	AAG	TCA	857 TTT	GTA	GTT	866 TGC
- 		 875			 884			 893			902						
CCC	ACC	TGC	CCT	AAA 	TAA	GAA	ACC	CCA		GTA	GTC	тСт	TTT 		TCT	GTG	
CAC	ATT	CAT	AGC	AAC	TGC	AGC	TAA	947 CAG	GCT	GAT	956 TT T	CTG	GCC	965 TTT	GGA	GAA	974 GTG
		 983			 992			 1001									
ATT	CAA		AGT	GTA		TTT	CTG	CAT	AGA	TCC	CAT	TTT	TGT	1019 ACA	GAA	TTG	LO28 AAT
		 1037			 1046						 1064			1073			
GGG	ATG	GAA	TAG	GTA	AGC	AAA	AGT	AGA	AGC	CCA	الماليات	GAG	ффф	TAC	ATT	ጥርአ	TO TO TO
		1091		-	1100			1109		-	1118			1127		1	136
CAC	AAT	TTG	GTT	TCA	GGT	AGG	CTT	GGT	GAT	AGA	CTA	TAT	AAA	$CC\Delta$		TTG	CCT
	:	1145			1154			1163		-	1172			1181			190
ATT	TTG	ATT	TTC	ATA	TGG	CTT	TTT	TTT	CTG	TAA	GTT	TTC	AGA	GGA	TTT	TTT	AAA
		1199		1	1208		-	1217		1	1226		-	1235		1	244
TCA	CAG	AAT	CAT	ACT	AAA	TGA	TAT	TTA	GCC	TAT	CAA	AAC	TTC	CAA	AAG	CCC	ACA
	-	L253		1	L262		1	1271		1	1280		-	289		7	298
CCA	CCA	GTT	CCT	GAC	TCA	AAT	TTG	AAG	GGT	TTT		ACA		GGG		GAT	
Q.T. 1		L307			1316		1	L325		1	334		7	343		1	252
GTA,		GAG	TTT	AAT	TAA	AGC	TTA	ACC	CTA	GGT	AAG	AGT	AAA	TGA	GAA	ATA	TTA
	1	L361		1	.370		1	L379		1	388		1	397		1	106
				AAC	TGC		ACT	GTT	TCT	TGG	TGA	CTT	CCT	CAC	TCT	AAT	GTT
	1	415		1	424		1	433		1	442		1	451		1	460
							ATG	GTG			CAG	T'AA	CCA	CGG	TGT	TGT	TTT
AGA		469 Стт		1 AAG	478 CTC	አረጥ	777C	487	TOTAL	1	496	ama	1	.505 AAT		1	514
														AAT	ACT	GTC	TTT
AAA		523 GAA		1 TGC		ATA	1 TTG	.541 AAC	ТСА	1 ТАТ	.550 ייייר	ጥረሞ	1 GTG	.559 TAG	புருப	1 7 Trur	568
CTT	CCA	577 TTG	AGT	GAA	586 TGA	TGA	1 ATA	.595 CCT	GTG	1 AGG	604 ATA	GGA	1 AAT	.613 GAG	ጥጥር	1 TGN	622 Gat
CTA	GTC	631 CCT	CTC	TGA	640 TTC	ACT	TAG	TAA	TCT	1 ATC	CTC	TTT	TCA	667 GTA	TTA	CAT	676 GTG
		685									 -			721	-		 730

FIG. 2C

CTT	AAT	CTC	AGA	. TGA	ACC	ATT	TCA	CCA	TGG	CAG	TGT	TAT	CTC	ATC	TCT	GGG	CTT
		1739			1748												
TTC	TGG					CTC	TCC	ערידיי י	מכת	CCA	1766	CTC	777	1775	7 CI CI	7.00	1784
															AGT	AGC	TGT
		1793			1802			1811			1820			1829			1838
ATA	CTA	. CCA	CTT	TGA	ATT	' ATT	GAA	ACG	GGT	CAA	بلينين	ACG	AAG	TCT	CCA	ጥጥር	COT
ΔTG		1847 . ata	таа	بالشناب	1856 מידית	. GTA	C T C	1865	7.07	C 7 7	1874	770		1883		:	1892
							CAG		AGA	GAA	TGA	AAC	TCA	CCG	TCC	AGA	TAA
		1901			1910			1919			1928			1937			1946
CCA	TGC	ATG	CAC	CCA	. GAT	TTT	TTC	CAC	CTT	GGA	TAC	CTG	ТСΣ	СТД	aaa	አአጥ	ייטעע
70 70 70		1955			1964			1973			1982		:	1991		:	2000
		C1G	ATT	1.1.1.	TGT	CTT	A'I''I'	CCA	ACT	AAG	TAG	ATC	ATT	ATC	TCT	TTC	CTT
		2009			2018			2027			2036						
TTT	TAT	GTT	AAT	GAG	AGA	ATT	TAG	CCT	CCA	CTC	AAC	AAT	CTT	ממי	TTC	ACC	አአር
aam		2063			2072			2081		:	2090		2	2099		2	2108
GCT.	TTC	ATA	TCC	TTG	CTG	TGG	GTC	GTG	GAT	AAG	GAG	CTT	ATT	CAG	GTT	TCC	TGC
		 2117			 2126			 2135			 2144						
CCT						TTC	ACA	2135 TGC	TGG	AGA	2144 CTC	aca	ሞአር	2153	CAC	א חווי בי	2162
															CAG	AIG	IAI
		2171			2180			2189		:	2198			207		-	216
TCA	TCC	TGG	TGT	TAC	TGA	AAA	ACA	GGT	GTG	ATC	CTG	TTA	GTG	ATA	CTA	TAA	GTG
		2225			 2234												
ACC						CAA	Δ'T'T'	2243 2GC	AAG	गाटामा 	2252	777	2 אור ד	2261	777	m om	270
												AAC		CTA	AAC	TCT	TCA
		2279		:	2288		:	2297		- 2	2306		2	2315		2	224
AAT	GCT	TGG	AAA	GAT	ACT	ACA	AAG	CCA	ATC	TTT	ATA	CDD	ጥጥር	aaa	CAA	CAM	70 70 70
		2333			2342			2351									
TCT			ተጥተ	TGC.	ATG	GCT	יייידי ע	2351 CTT	አአሮ	CTIC	2360	7 CC	mm a	2369	ama	2	378
											CAA	AGG		ACT	GTG	TTT	CTG
		2387		:	2396			2405			2414		2	1122		_	1122
CCG	CTG	TCC	TGG	AGT	TGT	CAC	CAC	TGA	CTG	GGC	AAG	GCT	TCT	TGG	GCA	TGG	ATG
		2441			2450												
TAG			тст			CCC	ልሮሞ	2459	λCT	תיאים	2468	ma v	2	477	maa	2	486
												1GA		TCT	TGC	CTG	I.I.Y
	2	2495		2	2504		2	2513		2	522		2	531		2	E40
TGC	TTA	CAA	AAT	GGT	GAT	GGC	TTA	TGG	AAG	ССТ	CTT	AAA	עיייי	מיחית	TTC	ama -	mma
		2549													-		
AAG			ΔΔΔ	<u>ረ</u> ምጥ	4558 TUTT	CTLY	т-т-т- 2	2567	7 (7 7	7,007	2576	C3 T	2	585		2	594
						CTA		116	ACA	ATA	AAA 	CAT	TAT	ATA	TTT	TTA	AAA
	2	2603									-	_	-				
AAA	AAA	AAA	AAA	AAA	A 3'												

FIG. 3

MVATGSLSSKNPASISELLDCGYHPESLLSDFDYWDYVVPEPNLNEVIFEESTC QNLVKMLENCLSKSKQTKLGCSKVLVPEKLTQRIAQDVLRLSSTEPCGLRGC VMHVNLEIENVCKKLDRIVCDSSVVPTFELTLVFKQENCSWTSFRDFFFSRGR FSSGFRRTLILSSGFRLVKKKLYSLIGTTVIEGS

Fig. 4A

- Query: 6 SLSSKNPASISELLDCGYHPESLLSDFDYWDYV-VPEPNLNEVIFEESTCONLVKMLENC 64 SL S + S+ + G+ PE D Y D V +P+ L +E C NL+++L+ Sbjct: 45 SLESSDCESLDSS-NSGFGPEE---DSSYLDGVSLPDFELLSDPEDEHLCANLMQLLQES 100 Query: 65 LSKSKQTKLGCSKVLVPEKLTQRIAQDVLRLSSTEPCGLRGCVMHVNLEIENVCKKLDRI 124 +++L+P +L ++ +++LRL+ +EPCGLRG ++ V +E C + ++ Sbjct: 101 LSQARLGSRRPARLLMPSQLLSQVGKELLRLAYSEPCGLRGALLDVCVEQGKSCHSVAQL 160
- D S+VPTF+LTLV + ++ W +L LS+GFR++KKKLYS
- Sbjct: 161 ALDPSLVPTFQLTLVLRLDSRLWPKIQGLLSSANSSLVPGYSQSLTLSTGFRVIKKKLYS 220

FIG. 4B

Query:	6	SLSSKNPASISELLDCGYHPESLLSDFDYWDYV-VPEPNLNEVIFEESTCQNLVKMLENC SL S + S+ G+ PE D Y D V +P+ L +E C NL+++L+	64
Sbjct:	48	SLESSDCESLDSS-NSGFGPEEDTAYLDGVSLPDFELLSDPEDEHLCANLMQLLQES	103
Query:	65	LSKSKQTKLGCSKVLVPEKLTQRIAQDVLRLSSTEPCGLRGCVMHVNLEIENVCKKLDRI	124
Sbjct:	104	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	163
Query:	125	VCDSSVVPTFELTLVFKQENCSWTXXXXXXXXXXXXXXXXXXXXTLILSSGFRLVKKKLYS D S+VPTF+LTLV + ++ W +1. LS+GFP++KKKLYS	

Sbjct: 164 ALDPSLVPTFQLTLVLRLDSRLWPKIQGLFSSANSPFLPGFSQSLTLSTGFRVIKKKLYS 223

FIG. 5A

- Query: 1 MVATGSLSSKNPASISELLDCGYHPESLLSDFDYWDYVVPEPNLNEVIFEESTCONLVKM 60
 MVATGSLSSKNPASISELLD GYHP SLLSDFDYWDYVVPEPNLNEV+FEE+TCONLVKM 60

 Query: 61 LENCLSKSKQTKLGCSKVLVPEKLTQRIAQDVLRLSSTEPCGLRGCVMHVNLEIENVCKK 120
 LENCLS+SKQTKLGCSKVLVPEKLTQRIAQDVLRLSSTEPCGLRGCVMHVNLEIENVCKK 120
 Query: 61 LENCLSRSKQTKLGCSKVLVPEKLTQRIAQDVLRLSSTEPCGLRGCVMHVNLEIENVCKK 120

 Query: 121 LDRIVCDSSVVPTFELTLVFKQENCSWTSLKDFFFSRGRFSSGLKRTLILSSGFRLVKKK 180
 Sbjct: 121 LDRIVCDASVVPTFELTLVFKQESCPWTSLKDFFFSRGRFSSGLKRTLILSSGYRLVKKK 180
- Query: 181 LYSLIGTTVIE 191 LYSLIGTTVIE Sbjct: 181 LYSLIGTTVIE 191

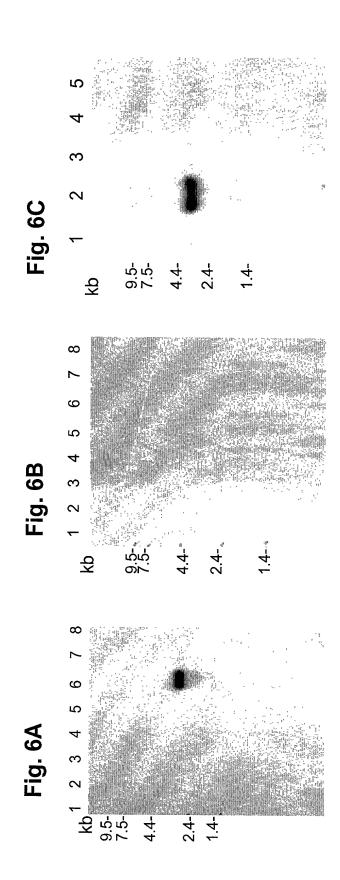
FIG. 5B

Query: 43 NLNEVIFEESTCQNLVKMLENCLSKSKQTKLGCSKVLVPEKLTQRIAQDVLRLSSTEPCG 102
NL++V S + L + L+ L + K+ L C++V +P LTQRIA +++R+S EPCG
Sbjct: 162 NLDDV--SASAVRELSQQLQAQLRDAKRRHLACTEVTLPNDLTQRIAAEIIRMSEREPCG 219

Query: 103 LRGCVMHVNLEIE-NVCKKLDRIVCDSSVVPTFELTLVFKQENCSWTXXXXXXXXXXXXXXXX 161
R C + + E E N K++ D V FEL L +Q+ W+
Sbjct: 220 ERACTLFIEFESEPNKVKRIAYFKVDPDTVSIFELYLTLRQDKSGWS----SLVPQFIKN 275

Query: 162 XXXXXTLILSSGFRLVKKKLYS 183
T+ +S F L KKKLYS
Sbjct: 276 LTRSNTINISPDFTLTKKKLYS 297

FIG. 5C



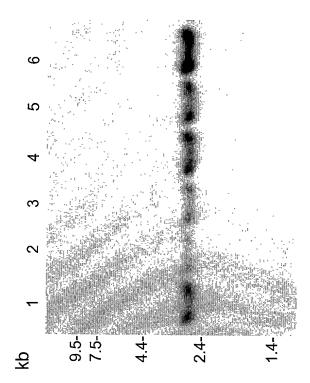
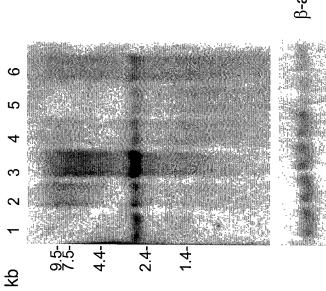


FIG. 8

YEO'S NO	17 18		kidney	28 29 30 31 32 33 34 35 36 37 38 39 40 41
	11 12 13 14 15 16 17 18		lung	3 34 35 36
bladder	11 12 13	•	bone	31 32 3
,	8 9 10	•	brain	
prostate	4 5 6 7		ovarian	20 21 22 23 24 25 26 27
	2 3		cerv.	22 23
1	· -	kb 4.4	testicular	19 20 21 4.4- 2.4-
				중

=<u>IG</u> 9



 β -actin

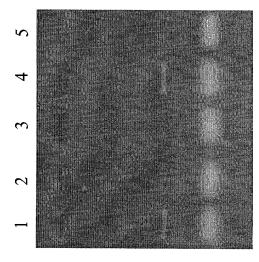
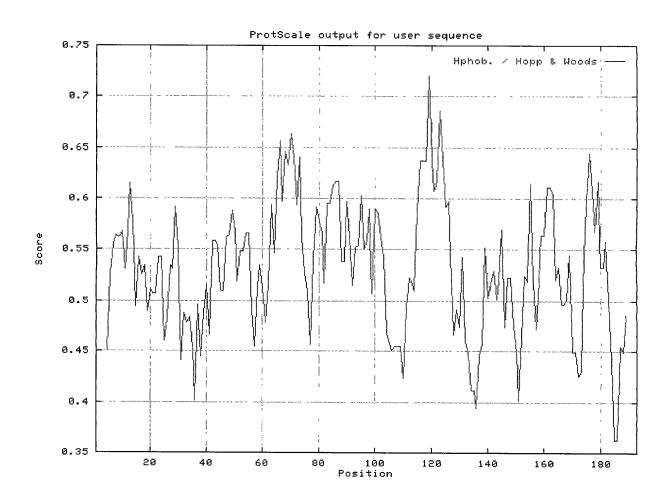


FIG. 11



-

FIG. 12

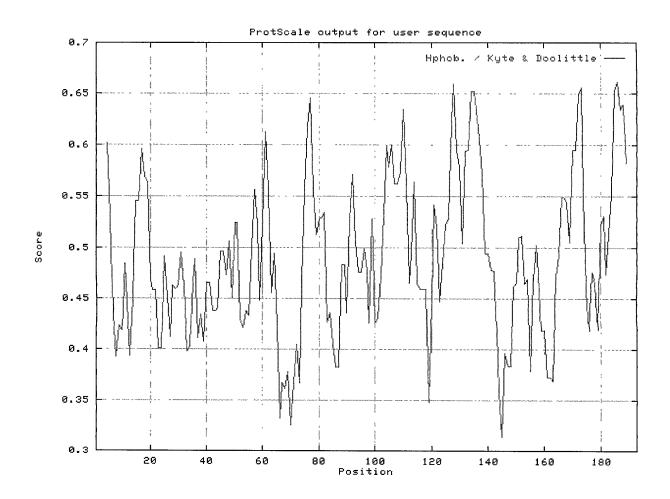
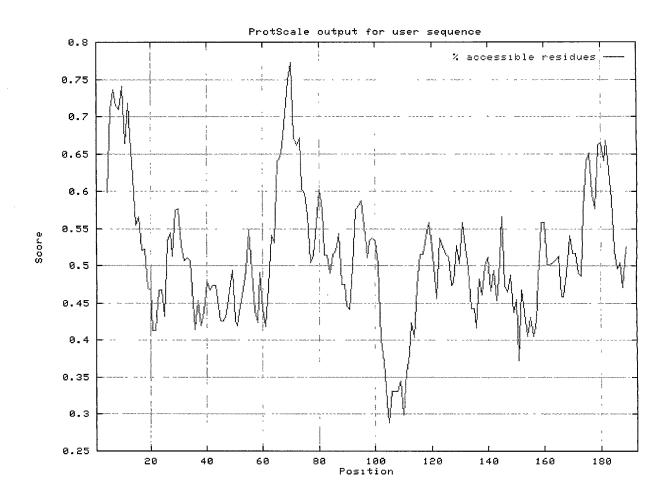


FIG. 13



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FIG. 14

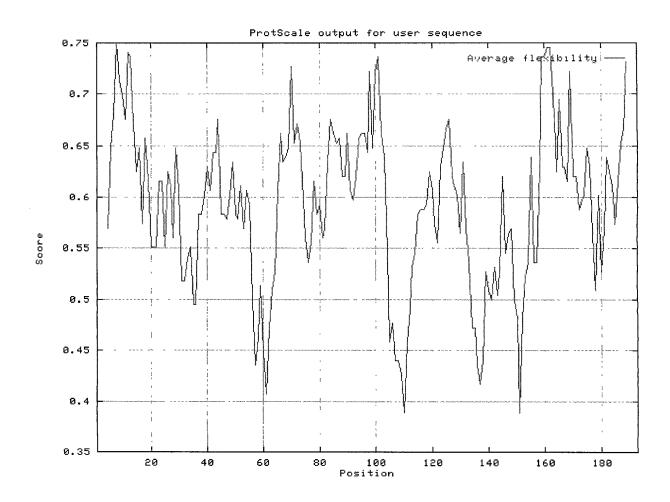


FIG. 15

